

# Roberts of Port Dinorwic choose Landia's wastewater aeration system

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Roberts of Port Dinorwic, the acclaimed family-owned food manufacturer, has introduced a new Landia aeration system to enhance its wastewater process.

Based at a ten-acre site on the banks of the Menai Strait in North Wales, the food production facility has a screen that captures around 95% of its wastewater's solids, but needed a tough, non-blocking aerator that would further reduce particle sizes and keep solids in suspension by effective, efficient and economical mixing.

Chief Engineer, Dylan Roberts commented: "Landia came highly recommended. In fact, more than half of the tank manufacturers we consulted said that if we wanted the most reliable and long-lasting aerator, it should be Landia.

"Everything's brilliant", he added. "The Landia AirJet runs for 6-7 hours per day and we've had no problems whatsoever. We sometimes have high levels of fat as part of close to a tonne of solids per week, but it's no problem for the

aerator. Landia have also done much more than just supply their equipment. They've worked very closely with us and the tank manufacturer to ensure that everything is right".

Established in 1924, the fourth-generation family-run Roberts business, which is a trusted leader in the prepared food industry, purchased a 146m<sup>3</sup> tank (6.8m diameter 4.2m height), which now utilises the externally-mounted 7.5kW Landia AirJet aerator. Effluent temperatures are up to 450C, with dissolved solids of around 3%. In addition to the AirJet, wastewater is also processed by a DAF plant and treated with polymer.

The AirJet comprises one of Landia's renowned no-nonsense chopper pumps (Landia invented the chopper pump in 1950). Designed with an external knife system that stops solids from entering the pump's casing, the pump is fitted with a venturi nozzle to create the AirJet, of which there are thousands in service, worldwide.

